

## A B S T R A C T

The invention relates to a hollow drilling rod for transmitting information, said rod being for placing in a borehole filled with drilling mud. The rod comprises an electrically conductive cylindrical wall (52<sub>1</sub>, 52<sub>2</sub>) having an inside face, an outside face, a first end provided with a male coupling sleeve (62), and a second end provided with a female coupling sleeve (60), and being characterized in that it further comprises:

- a layer of electrically insulating material (70) covering the inside face over its entire length; and
- a conductive layer (80) covering said insulating layer and electrically connected at its ends to two electrically conductive rings, said conductive layer itself being covered by a second insulating layer (86) leaving said conductive rings in contact with the drilling mud.